

APEX

Self-Dumping Hoppers

**The fast,
low cost
method for
handling
all bulk
materials**

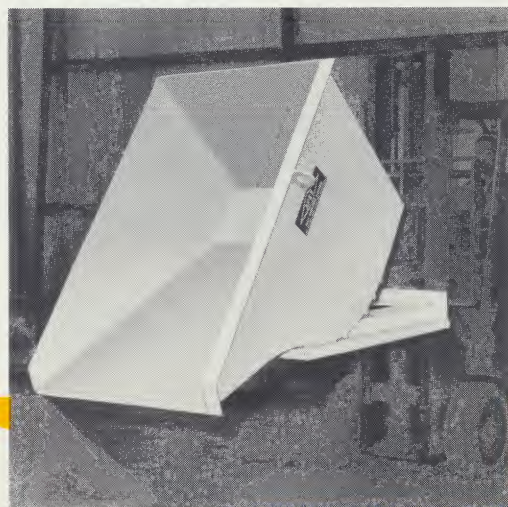


APEX WELDING Incorporated

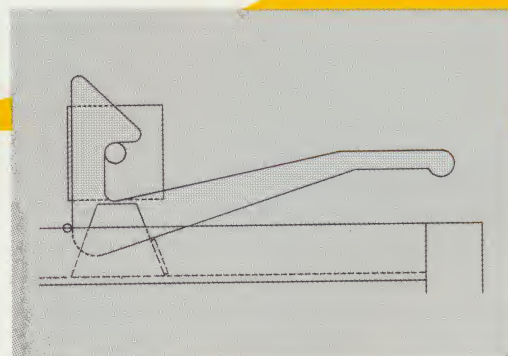
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Bulk Handling Efficiency

The APEX line of self-dumping hoppers provides an efficient, flexible means of handling all types of bulk materials from castings and other small parts to foundry sand, building materials or scrap — almost any bulk material — hot or cold, wet or dry. Equipped for automatic self-dumping, they extend the usefulness of all standard industrial trucks by permitting instant conversion to bulk handling.



Standard Fork Truck Base



Fully Automatic Dumping

With models and sizes to fit nearly any handling need, APEX self-dumping hoppers are engineered to fit securely on the forks or platform of most standard industrial trucks. They are quick and easy to use and no attaching devices are required. Simply pick up the hopper on the forks or platform and it's ready to go.

When loaded, they can be transported to any plant location where they can be automatically dumped by simply tripping the latch mechanism. The weight of the load rolls the balanced hopper forward, permitting the entire load to be emptied. Once empty, the hopper rights itself and locks securely in place, ready to receive the next load.

Positive Safety Latch

This sketch shows the positive cam latch mechanism used to secure the APEX self-dumping hopper in the upright position. To assure dependable operation, no springs are used to secure the latch. An easy pull on the latch release permits the hopper to tilt smoothly forward, dumping the load. As the empty hopper returns to the upright position, the safety latch locks automatically, eliminating any possibility of accidental dumping.

Built For Rugged Service

APEX self-dumping hoppers are fabricated from flame-cut, steel plate and arc welded to assure sound, maintenance-free service. Fully reinforced and braced, APEX hoppers will take the abuse of rough handling while providing long service life. They are painted "safety code" yellow for maximum visibility. All models come equipped with lifting lugs to permit handling with either overhead or truck-mounted cranes.

Standard Design

The APEX self-dumping hopper is built in a standard model with a variety of modifications to meet any type or size of load and for most industrial conveyances. Because of this standardization, it is possible for APEX to meet nearly every handling need at a cost substantially below that of competitive hoppers.

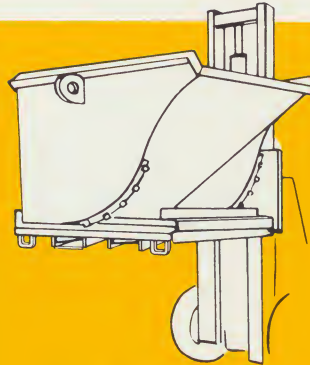
In addition to the standard pallet-mounted model for fork or pallet truck handling, APEX also supplies platform-mounted models for use with both rider and "Walkie" type platform and outrigger trucks; the caster-mounted style for hand-pushing or for hauling by trailer; the side-dumping model which can be pallet- or skid-mounted and permits dumping to the side; the perforated style for handling hot materials such as castings or forgings; and plastic or rubber-coated models to provide corrosion resistance and shock absorption.

Equipped for Stacking

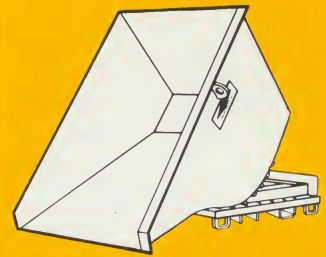
Both pallet- and skid-mounted hoppers are designed to permit tiering without the use of special attachments and without the added cost of special rack installations.

Lower Initial Cost

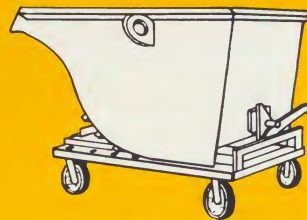
Because of their low initial cost and rugged construction, users have found that APEX self-dumping hoppers pay for themselves faster than other similar load handling devices, require minimum maintenance and reduce downtime. They have found from actual experience that APEX units pay for themselves in weeks, or even days, by eliminating manual handling and assuring fast, efficient and safe bulk handling.



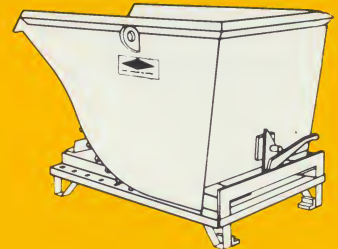
Three way entry in left side dumping position



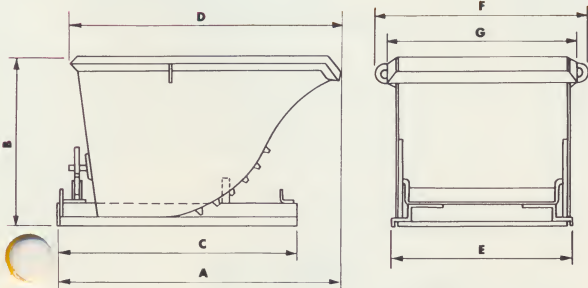
Three way entry in dumping position



Caster-Mounted with fork truck base



Standard fork lift base with legs for pallet truck



H = CENTER OF GRAVITY MEASURED FROM REAR OF BASE
J = 2 3/4" FORK CLEARANCE. Greater clearance can be supplied on special order.

STANDARD SIZES

FOR REGULAR DUTY AND HEAVY DUTY MODELS

(Length) (Height) (Width)

SIZE	A	B*	C	D	E	F	G	H	WGT.
1/4 YD.	43	24	38 3/4	41	32 3/8	34	31	16 1/2	350 #
1/2 YD.	52	31 1/2	41 3/4	52 1/4	32 1/4	37 1/2	32 1/2	17 1/2	480 #
3/4 YD.	56 3/4	35	50 1/2	56 1/4	38 3/8	43 1/2	39 1/2	21	610 #
1 YD.	63	37 3/4	50 1/2	62 1/2	38 3/8	43 1/2	39 1/2	22	660 #
1 1/2 YD.	72 1/4	46 1/4	57 1/2	73	38 3/8	43 1/2	39 1/2	26	790 #
2 YD.	72 1/4	46 1/4	57 1/2	73	50 1/4	55 1/2	51 1/2	26	900 #
2 1/2 YD.	72 1/4	46 1/4	57 1/2	73	50 1/4	67 1/2	63 1/2	26	1150 #
3 YD.	72 1/4	46 1/4	57 1/2	73	50 3/4	79 1/2	75 1/2	26	1300 #
3 1/2 YD.	72 1/4	46 1/4	57 1/2	73	50 3/4	91 1/2	87 1/2	26	1450 #
4 YD.	72 1/4	46 1/4	57 1/2	73	50 3/4	103 1/2	99 1/2	26	1600 #
5 YD.	72 1/4	46 1/4	57 1/2	73	50 3/4	127 1/2	123 1/2	26	1900 #

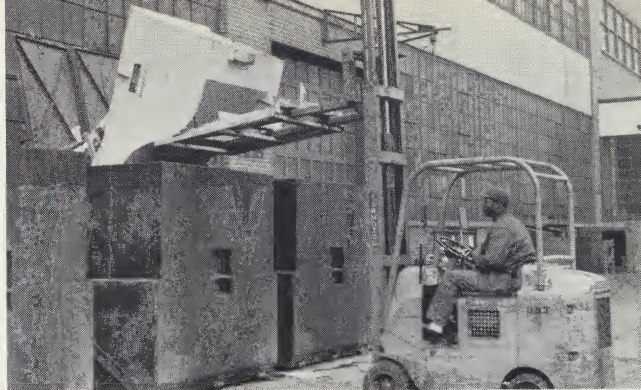
*Height shown is for standard fork-type mounting.

*For platform-type, standard under-clearance is 12". Other dimensions on request.

Specifications subject to change without notice.

APEX Self-Dumping Hoppers ...find wide usage in industry!

There are applications for APEX self-dumping hoppers in almost any plant. Today, many firms in diversified industries are using these low cost APEX hoppers to reduce bulk handling costs and improve overall handling efficiency.



Many plants like this one, use APEX self-dumping hoppers for rubbish collection. Loaded in the plant, they are carried by fork trucks to the outdoor storage bins and dumped.

TYPICAL APPLICATIONS

Metal chips	Castings	Scrap rubber
Coal	Plastic parts	Metal stampings
Cement	Turnings	Semi-finished bolts
Sand	Forgings	Glass cullet
Sulphur	Sawdust	Scrap iron
Wood Pulp	Gravel	Metal fasteners
Raw plastic	Alloy briquettes	Wire scrap
Rubber parts	Trash	Scrap leather
Fertilizer	Salt	Tile
Chemicals	Lime	Bones
Ores	Gravel	Hides
Pigments	Brick	Rags
Sugar	Cinders	



This APEX hopper is being used to transport and dump aluminum ingots from ship to freight cars. The self dumping feature released four men who previously hand loaded the freight car.



Scrap metal can be handled conveniently with an APEX self-dumping hopper. They may be dumped directly into storage bins or into freight cars for shipment.



APEX self-dumping hoppers are frequently used for handling such bulk materials as foundry sand, aggregate, building materials, etc. They are of particular advantage where trucks are used on part-time for bulk handling.



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